

# **ATTACHMENT 5 - WORK PLAN**

This section describes the work that will be performed and is divided into the following sections:

- Scope of Proposal
- · Goals and Objectives
- Project Location
- Work Items
- Project Deliverables
- Permitting and Environmental Documentation
- Strategy for Evaluating Progress and Performance
- Property Access
- Information Dissemination

#### 5.1 - Scope of Proposal

The scope of the proposal is to construct five multi-level groundwater monitoring wells to enhance an existing groundwater monitoring program. The wells will include four double completion wells and one triple completion well. The scope will be achieved through a number of specific work tasks described in this work plan, including public outreach, monitoring well design, monitoring well construction, post construction activities and reporting.

#### 5.2 - Goals and Objectives

The specific goals and objectives of the groundwater monitoring program are to gather public comment on the program and to plan, design and install five depth-discrete (multi-level) nested monitoring wells, evaluate the findings from their installation and present the findings in a useful report.

The wells will provide benefits to District-wide groundwater monitoring, and localized benefit to the Apex Ranch Conjunctive Use project. The long-term general goals for the monitoring wells include:

- 1. Establish a baseline for future monitoring
- 2. Fill gaps in District-wide monitoring network
- 3. Increase capability to measure water levels in multiple aguifers
- 4. Characterize geographic variability in water quality
- 5. Use monitoring data in part to compute groundwater stored and withdrawn
- 6. Provide data needed for graphical, semi-analytical or computer model analysis of groundwater conditions



Goals specific to the Apex Ranch Conjunctive Use Project include:

- 1. Monitor water quality impacts from groundwater banking
- 2. Evaluate operation and maintenance procedures to maintain or enhance recharge rates
- 3. Evaluate the effect of groundwater recharge on shallow groundwater levels beneath and adjacent to recharge facilities
- 4. Determine the impact of recovery well pumping on groundwater levels in nearby wells
- 5. Use monitoring data to assist in locating future recovery wells
- 6. Use monitoring data for groundwater bank management decisions concerning future recharge and operation of recovery wells

## 5.3 - Project Location

The project includes installation of five monitoring wells as shown on **Figure 4.3**. The wells are located in the northeastern portion of KCWD. Three wells will be placed along an east-west transect across the Apex Ranch recharge area. Two other wells are located west (down-gradient) in rural agricultural areas.

### 5.4 – Work Items

The work plan for the project is described below, and the five work tasks are consistent with the schedule and budget.

#### Task 1 – Public Outreach

#### **Subtask 1.1 - Groundwater Monitoring Committee Meetings**

An existing Groundwater Monitoring Committee, comprised of local citizens, will meet twice during the project. At the first meeting KCWD will discuss the purpose of the project, proposed well locations and depths, and solicit comments. At the second meeting KCWD will review the results of the project including well locations, data collected, and implications for future monitoring, and solicit comments.

## Subtask 1.2 – King River Area Property Owners Association Meetings

Two public outreach meetings will be held with representatives from the Kings River Area Property Owners Association (KRAPOA), a local group of landowners who have expressed concern over the District's operations on groundwater levels. At the first meeting KCWD will discuss the purpose of the project, proposed well locations and depths, and solicit comments. At the second meeting KCWD will review the results of the project including well locations, data collected, and implications for future monitoring, and solicit comments.

## Subtask 1.3 - District Board of Directors Meetings



The KCWD Board of Directors meets monthly to discuss District issues. The meetings are open to the public and the Board is comprised of local growers who represent the voice of the local farming community. It is anticipated that the Board will be given bimonthly updates on the project. Also, in-depth presentations on the project will be provided at two Board meetings. During these meetings, the engineering consultant will provide handouts, and, if necessary, Powerpoint presentations and other visuals will be incorporated into the presentation. The Board will be educated on the project and asked to provide input and comments.

The District also plans to educate other agencies on the project during regularly scheduled meetings. These agencies will include: the Kings Basin Water Authority, Kaweah Delta Water Conservation District, and Kings River Water Authority. This work is not included in the budget since it will only involve KCWD staff.

## Task 2 - Monitoring Well Design

#### **Subtask 2.1 - Conceptual Design Memorandum**

A conceptual design memorandum will be prepared based upon an understanding of the hydrogeologic setting and groundwater flow conditions. The conceptual design memorandum will document and expand upon the project details described in **Section 4.2 – Project Description**. The conceptual design memorandum will include: monitoring well locations, drilling methods, monitoring well depths and borehole diameters, screen lengths and intervals, gravel/sand pack intervals, and sealing materials and intervals. The memorandum will be given to the Groundwater Monitoring Committee, hydrogeologic consultant for KRAPOA, and an independent third-party expert (Kenneth D. Schmidt and Associates) for comments before proceeding with the final design.

## Subtask 2.2 - Environmental Documents/Permitting

Based on the nature of the work, KCWD believes that the work is categorically exempt from CEQA. KCWD will file a Notice of Exemption with Kings County based on a Class 6 'Information Collection' exemption (Section 15306) and Class 3 'Small New Facilities' exemption (Section 15303). The drilling contractor will be required to obtain well drilling permits and County right-of-way encroachment permits (see Subtask 3.1).

## **Subtask 2.3 - Monitoring Well Construction Drawings and Specifications**

A licensed engineer will prepare well design drawings, specifications and technical documents. The wells will be designed in accordance with the California Water Well Standards and Kings County Well Ordinance (<a href="http://www.countyofkings.com/planning/building/Ord587WaterWell.pdf">http://www.countyofkings.com/planning/building/Ord587WaterWell.pdf</a>). The



preliminary cost estimate in Attachment 6 – Budget will be updated for comparison to bids.

## Subtask 2.4 - Prepare Public Bid Documents/Assist with Bidding

KCWD will prepare necessary bidding and legal documents to conduct a public bidding process. KCWD will provide public notice of the bidding in accordance with Government Code requirements and KCWD policies. The documents will be made available to the State for review as necessary. It is anticipated that all monitoring wells will be included in one bid. The wells shall be drilled by qualified well drillers with experience constructing nested monitoring wells to similar depths.

## Task 3 - Monitoring Well Construction

#### Subtask 3.1 - Well Construction

This task includes construction of five new monitoring wells shown on **Figure 4.3**. The wells will have the casing depths described in **Section 4.2**.

Construction review will be performed under the supervision of a licensed engineer or geologist. The District and the engineer will be responsible for insuring the design intent is implemented during the construction phase and will inspect the site before, during, and after construction. This task also includes preparing and enforcing a Labor Compliance Plan that satisfies relevant provisions of the California Labor Code.

The monitoring wells will be drilled by qualified well drillers with experience in constructing monitoring wells. The following qualifications will be required:

- <u>Experience</u> The Contractor shall have at least 5 years experience in drilling nested wells to depths of at least 500 feet using the drilling, construction and development methods as specified.
- <u>License</u> The well driller must possess a current C-57 Well Drillers License, valid in the State of California.

Since the drilling will be performed in Kings County, the Contractor shall obtain well drilling permits from Kings County. The contractor will be responsible for obtaining encroachment permits for all wells constructed on County Road right-of-ways. Based on the experience of Provost & Pritchard Consulting Group, Kings County rarely declines permits to construct wells on county road right-of-ways, as long as all County guidelines are met. The well driller shall also submit well completion reports to the California Department of Water Resources.

## **Subtask 3.2 - Geologic and Geophysical Logging**



During drilling the borehole cuttings will be logged be a Professional Geologist and classified in accordance with the Unified Soil Classification System. Well log information will include material description, date of drilling, type of drill rig, type and diameter of drill bit, type of fluid additives and depth of boring. Upon completion of drilling, the boring will be geophysically logged (e-logged) to aid in identifying aquifer and aquitard materials and the depth of occurrence of each. Monitoring zones and appropriate well screen intervals will be identified during this process.

## Subtask 3.3 - Surveying

Upon completion of construction, each of the monitoring well nests will be surveyed for casing elevation. Each of the individual casings will be surveyed and marked (generally on the north side of the casing) for reference for future depth to water measurements. The concrete well pad and surrounding ground surface will also be surveyed for elevation. Well elevations (absolute) will be measured within 0.1 feet. Each well will have a horizontal survey reported in latitude and longitude. Surveying will be performed by licensed surveyors.

### **Subtask 3.4 - Prepare Record Drawings**

The final well design and construction may differ slightly from the well specifications due to variations in site conditions and geology. As a result, final well construction information will be documented, including: well depth and diameter, casing diameters, screened intervals, gravel/sand pack intervals and type, sealing intervals and type, and conductor casings and surface completion details. The drawings will be signed by a professional engineer.

## **Task 4 - Post Construction Activities**

## **Subtask 4.1 – Hydrogeologic and Stratigraphic Evaluation**

A detailed hydrogeologic and stratigraphic evaluation will be performed by a professional geologist and documented in a technical memorandum. The evaluation will consider the geologic logs, e-logs, water quality results, and other information obtained during well construction. A cross section will be constructed along the three wells in the Apex Ranch area. The geologic information will be correlated with regional studies, and compared to data from other wells in the area. The purpose of the evaluation will be: 1) characterizes the geology and hydrogeology; 2) provide insight into the impact of groundwater banking operations on groundwater levels; 3) identify stratigraphic features that could impact horizontal and vertical water movement; and 4) refine estimates for the boundary of the E-clay confining layer.

## **Subtask 4.2 - Monitoring Well Sampling and Analytical Testing**



Each casing within the monitoring well nests will be sampled and analytically tested for an irrigation suitability analysis, which includes the primary constituents of interest in the area (see list of constituents on **Exhibit 6.4**). One travel blank samples and one duplicate samples will also be submitted for quality control. Proper well development will be performed for accurate testing results, and testing will be executed as outlined in the sampling protocols in the KCWD GMP (pg 38 of **Exhibit 3.2**). Water levels will also be recorded when water quality samples are retrieved. All sampling will be conducted by appropriate professionals, with appropriate preservatives, under proper chain of custody procedures, and transported to the lab within the proper holding times. The results will be summarized and reviewed by a water quality specialist. The results will also be compared to other water quality test results in the area, state drinking water standards, and recommended values for irrigated agriculture.

### Task 5 - Project Reporting

## **Subtask 5.1 - Progress Reports**

The District will submit quarterly progress reports to DWR. These reports will discuss progress to date, data developed, information gained, costs incurred, and problems encountered. Each report will be prepared in accordance with the required DWR format. Progress reports will also be presented to the District Board and the Groundwater Monitoring Committee.

## Subtask 5.2 - Draft Project Report

The draft report will include pertinent data, criteria, maps, narratives, alternatives, recommendations and conclusions identified in this work plan. The report will also include an Executive Summary, a comparison between the planned schedule and actual timeline with an explanation of differences, and a discussion of major problems encountered and how they were resolved. This report will also include, at a minimum, data collected pursuant to this grant, including the following:

- Location and description of wells included in monitoring program
- Geologic Logs
- Monitoring well record drawings
- Borehole geophysical logs
- Survey information
- Summary of stakeholder participation in this project
- Water level information
- Water quality test results

The draft report will be submitted to DWR for review. The agency review period is anticipated to be three months. The Draft Report will also be available in the KCWD office for review by the public.



#### Subtask 5.3 - Final Project Report

KCWD will submit three hard copies and one electronic copy of the final report to DWR. The final report will address comments from DWR on the draft report. The Final Report will also be available in the KCWD office for public review, and one copy will be given to the Kings Rivera Area Property Owners Association.

#### **Technical Background**

The scope of work was prepared using detailed information found in the KCWD files and the numerous technical references listed in **Exhibit 5.1**. Therefore, there is strong technical justification for the project and the scope of work is based on documented and accepted scientific data.

## **Consistency with GMP and IRWMP**

The scope of work is also compatible with the goals and objectives in the KCWD Groundwater Management Plan, and the Kaweah Delta Water Conservation District Regional Groundwater Management Plan, as discussed in Section 4.5.

The KCWD is part of the Upper Kings Basin Integrated Regional Water Management Authority (UKBIRWMA). The UKBIRWMA prepared an Integrated Regional Water Management Plan in 2007 and are currently updating it. The existing IRWMP can be found on the Authority's website (<a href="http://www.krcd.org/water/ukbirwma/docs\_gov.html">http://www.krcd.org/water/ukbirwma/docs\_gov.html</a>). The proposed project is compatible with the IRWMP in many ways. Specifically, the project is consistent with the following goals listed on pages 5-5 to 5-6 of the IRWMP:

- Halt, and ultimately reverse, the current overdraft and provide for sustainable management of surface and groundwater
- Collect and compile water quality baseline data for the region
- Identify and pursue sources of funding needed to support project development"

In addition, page 6-2 the IRWMP states:

"After reviewing the water management strategies, the Water Forum established Conjunctive Use & Groundwater Management as the prevailing theme of the Upper Kings Basin IRWMP."

#### 5.5 – Project Deliverables

The project will have the following deliverables:

 Conceptual Design Memorandum. This memorandum will document the draft design features and assumptions for review by stakeholders and technical experts.



- 2. **Monitoring Well Plans and Specifications.** Final construction drawings and specifications will be prepared for the five proposed monitoring wells.
- 3. **Monitoring Well Bid Documents.** Bidding and legal documents will be prepared for a public bidding process.
- 4. **Record Drawings.** Record drawings will be prepared documenting the constructed conditions at each of the five monitoring wells.
- 5. **Hydrogeologic and Stratigraphic Evaluation**. This deliverable will include an evaluation of the hydrogeology and stratigraphy based on the data collected during the project.
- 6. **Quarterly Progress Reports.** Progress reports will be submitted to the DWR on a quarterly basis. No format was provided in the 2012 Proposal Solicitation Package, but the progress reports will be prepared according to DWR recommendations.
- 7. **Draft Project Report.** A draft report will be prepared summarizing the work from all the project tasks. One copy of the report will be submitted to DWR after District review. The DWR review period is assumed to be three months.
- 8. **Final Project Report.** A final report will be submitted that addresses pertinent comments from DWR. Two hard copies and one electronic copy will be submitted to DWR.

More detail on these deliverables is provided in Section 5.4 – Work Items.

#### 5.6 – Permitting and Environmental Documentation

Permitting and environmental compliance efforts are reflected in the budget and schedule. KCWD has experience with permitting a similar project in 2011 and is familiar with the required process. No permits will be required other than Kings County Well Drilling permits and Encroachment permits.

## **Environmental Impacts**

No adverse environmental impacts are anticipated from the project. Constructing monitoring wells has minimal disturbance to small areas. The wells will tap multiple aquifers, but will be carefully designed and constructed so they do not contribute to inter-aquifer flow. Overall the project will help to support groundwater banking and overdraft mitigation efforts, which offer positive benefits to the environment.

## **CEQA Compliance**

It is believed that monitoring well construction is exempt from CEQA. Specific locations for the monitoring wells have been identified and it is believed that their construction will



have no adverse environmental impacts. KCWD will therefore claim a Class 6 'Information Collection' exemption (Section 15306), and a Class 3 'Small New Facilities' exemption (Section 15303). A notice of exemption will be approved by the KCWD Board of Directors and filed with Kings County. KCWD used these exemptions on another monitoring well project in 2011. All other work performed on the project will be scientific and engineering studies and therefore will qualify as a Class 6 'Information Collection' exemption.

## **NEPA Compliance**

The proposed project will not use federal funds or involve federal facilities so the National Environmental Policy Act (NEPA) does not apply.

#### **Permitting Requirements**

A Kings County well drilling permit will be needed for the monitoring wells. The permit must be filed by a licensed drilling contractor, and the District will ensure the driller has secured the permit before they begin drilling. Kings County stated that these permits are processed the same day they are received. An Encroachment Permit is needed from the County to install wells on their property. The well driller will be responsible for securing these permits and KCWD will facilitate the effort. In the past these permits were secured within one week. No other permits are expected to be necessary for the project.

## 5.7 – Strategy for Evaluating Progress and Performance

KCWD has developed a detailed process for project monitoring and evaluation. This process is reflected in the work plan, budget and schedule.

## **General Project Monitoring**

Project monitoring will be performed through the following:

- 1. Updates on the project status at monthly District Board meetings
- 2. Quarterly progress reports submitted to DWR
- 3. Groundwater Monitoring Committee meetings
- 4. Kings River Area Property Owners Association meetings
- 5. The Draft Project Report will be available in the District office for public review and comments

These monitoring efforts will provide opportunities for the public, Groundwater Monitoring Committee, Board of Directors, District staff, KRAPOA, neighboring agencies, and DWR to comment on the project. Involving these parties will ensure the work is proceeding in the appropriate direction and ultimately provides a product that is needed, useful and understood. Lastly, the numerous QA/QC measures outlined in **Section 8: Quality Assurance**, will also help to ensure that the project is properly monitored and reviewed.



## Management of Schedule and Budget

The budget and schedule will be reviewed weekly to measure progress versus expenditures. If expenditures are higher than anticipated, or progress is behind schedule, then the KCWD manager and engineering consultant will meet within one week to resolve any problems. DWR will be notified as soon as possible if there are budgetary or scheduling concerns. The schedule, however, includes some contingency so schedule problems are considered unlikely. However, if schedule problems do arise then additional qualified personnel will be assigned to the bring the project's timeline back on schedule.

The schedule (**Exhibit 7.1**) contains several important milestones, including:

- Conceptual Design Memorandum
- Completion of Plans and Specifications
- Commencement of Monitoring Well Construction
- Completion of Monitoring Well Construction
- Completion of Hydrogeologic/Stratigraphic Evaluation
- Draft Project Report
- Final Project Report

These milestones will help to gauge project success in terms of schedule, knowledge gained, and facilities constructed.

#### **Project Performance by Task**

Project performance will be measured as described below for each of the five project tasks:

Task 1 - Public Outreach. Public outreach efforts will be evaluated based on the number of people reached, and comments received. Useful comments will be incorporated into the design of the monitoring network and help improve groundwater management.

Task 2 - Monitoring Well Design. Performance will be evaluated through design reviews during different stages in the design. These design reviews will be performed internally by the engineering consultant, an independent third party expert, District staff, Groundwater Monitoring Committee, Kings River Area Property Owners Association, and the Board of Directors. This will help ensure the designs are suitable and compatible with the local conditions, and meet the needs of the District. Construction will not proceed until the final design is acceptable to the stakeholders.

Task 3 - Monitoring Well Construction. Oversight during monitoring well construction will include periodic visits by the engineering consultant and daily visits by District staff. If necessary, the design will be modified to suit site-specific characteristics to provide a more useful monitoring well. Design modifications will only be made after consultation with the District Manager, engineering consultant, and drilling contractor.



Task 4 - Post Construction Activities. Post construction activities will include soil logging, cross section development, and groundwater quality testing. All of this information will be reviewed by technical specialists as well as KCWD staff and the Groundwater Monitoring Committee. Comments from reviewers will help ensure the data is presented in an organized and appropriate format, and is usable by District staff. All the collected information will be compared to existing geologic and water quality data in the area for consistency.

Task 5 - Project Reporting. Project reports will be reviewed by the engineering consultant, District staff, Groundwater Advisory Committee, KRAPOA, and Board of Directors. This will help ensure the reports are well organized, contain relevant information, and contain an appropriate level of detail.

### 5.8 – Property Access

One monitoring well (MW-P4) will be constructed on property owned by Kings County Water District. The other four wells will be sited in the shoulders of Kings County road right-of-ways. In the experience of the District's consulting engineer, Kings County rarely denies permission to install non-producing wells (i.e. monitoring wells) in it's road right-of-ways, as long as its guidelines are met. An Encroachment Permit is needed from the County to install wells on its property. The well driller will be responsible for securing these permits, and KCWD will facilitate the effort. In the past these permits were acquired within one week.

#### **5.9 - Information Dissemination**

KCWD has a well developed process for public outreach and information dissemination. These efforts are intended to reach local water users, the general public, and other public agencies. The goals of the information dissemination efforts include:

- 1. Educate the public on the goals and benefits of the project
- 2. Keep the public informed on project progress
- 3. Gauge public support for the project
- 4. Collect and discuss comments and suggestions

Public outreach efforts that will be used are shown in **Figure 5.1**. These public outreach efforts are reflected in the work plan, budget and schedule.



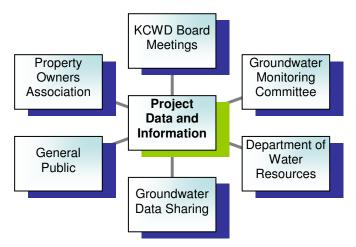


Figure 5.1 – Information Dissemination

#### **KCWD Board Meetings**

The District holds monthly board meetings that are publicly advertised and open to the public. At the beginning of each meeting there is a public comment period where opinions or concerns may be voiced on any issue. During the course of the proposed project, regular presentations will be made at the monthly Board meetings on the project status and any important project issues.

#### **Groundwater Monitoring Committee**

Ten years ago, KCWD formed a Groundwater Monitoring Committee to assist with monitoring groundwater conditions in the District, especially in the area of the Apex Ranch Conjunctive Use Project. The Committee is comprised of local citizens. Information on the project will be shared with the committee members. KCWD will describe the purpose and goals of the project, obtain input on the location and depth of wells, and share information gathered during the well construction and subsequent geologic analyses. The Committee is also responsible for preparing annual monitoring reports for the Apex Ranch project (**Exhibit 4.3**), which will include data collected at the new monitoring wells. Details of the committee membership are provided on page 14 of **Exhibit 4.3**.

#### Department of Water Resources

In compliance with CWC 10795.19, the KCWD will submit groundwater related data collected as part of this grant to DWR. This data will include well completion reports, state well number, well casing elevation, groundwater level data, etc.

#### Kings River Area Property Owners Association

The Kings River Area Property Owners Association (KRAPOA) was formed to organize local landowners and work with KCWD on local groundwater management issues. KCWD will share the information collected on the project with KRAPOA representatives



and their consulting geologist. KRAPOA will be given copies of well location maps, well logs, e-logs, water quality test results, and the hydrogeologic/stratigraphic evaluation.

#### Groundwater Data Sharing

KCWD will share groundwater level information from the new wells through several existing data sharing programs, including:

- Data sharing programs with the neighboring Alta Irrigation District, Consolidated Irrigation District and the enclaved Lakeside Water Irrigation District.
- Data sharing program with the Kings River Conservation District, that prepares regional groundwater contour maps and documents them in annual reports.
- The wells will be added to the California State Groundwater Elevation Monitoring (CASGEM) database and thus made available to the State and the public.

#### General Public

The KCWD office is open to the public every work day and during lunch for the public's convenience. Growers are always welcome to talk to the District Manager or operations staff about issues and concerns. Copies of reports such as the Groundwater Management Plan are also available in the office for the public's review. In the future, documentation on the proposed project will also be available in the office for public review including the Final Project Report, and annual groundwater monitoring reports. KCWD is also active in educating local schools on water issues. **Exhibit 5.2** is an agenda for a day long educational program including site visits to different water projects. This program will also be used to educate teachers and students about the proposed project.

# Technical References for Kings County Water District LGA Grant Application

- 1. California Department of Water Resources, *Bulletin No. 74-81 Water Well Standards: State of California*, 1981.
- 2. California Department of Water Resources, *Bulletin No. 74-90 Water Well Standards: State of California, Supplement to Bulletin 74-81*, 1990.
- 3. California Department of Water Resources, *California's Groundwater, Bulletin* 118 (Update 2003), 2003.
- 4. California Department of Water Resources, *Groundwater Basins in California*, *Bulletin 118-80*, January 1980.
- 5. Croft, M. G and Gordon, G. V., Geology, Hydrology, and Quality of Water in the Hanford-Visalia Area, San Joaquin Valley, California, U. S. Department of the Interior, Geologic Survey, Water Resources Division, Open-File Report prepared in cooperation with the California Department of Water Resources, 1968.
- 6. Croft, M.G., Subsurface Geology, Southern San Joaquin Valley, California U. S. Department of the Interior, Geological Survey, Water Supply Paper 1999 H, prepared in cooperation with the California Department of Water Resources, 1972.
- 7. Davis, G. H, Green, J. H., Olmsted, F. H., and Brown, D. W., *Ground-Water Conditions and Storage Capacity in the San Joaquin Valley, California, USGS Open-file Report*, 1957.
- 8. Fugro West, Inc., Water Resources Investigation of the Kaweah Delta Water Conservation District Final Report, December 2003 (Revised July 2007).
- 9. Jensen, M.E., Design and Construction of Farm Irrigation Systems, 1980.
- 10. Kaweah Delta Water Conservation District, *Kaweah Delta Water Conservation District Groundwater Management Plan*, Updated November 7, 2006.
- 11. Page, R. W., Geology of the Fresh Ground-Water Basin of the Central Valley, California, with Texture Maps and Sections, U.S. Geological Survey, Professional Paper 1401-C, 1986.
- 12. Provost & Pritchard Engineering Group, Inc. and Kenneth D. Schmidt and Associates, *Apex Ranch Conjunctive Use Project, Groundwater Monitoring*

- Program, Results of Operations from October 2010 through September 2011, December 2011.
- 13. Provost & Pritchard Engineering Group, Inc. and Kenneth D. Schmidt and Associates, *Apex Ranch Hydrogeologic and Water Supply Investigation*, November 2001.
- 14. Provost & Pritchard Engineering Group, Inc., Kings County Water District Groundwater Management Plan, May 2011.

# Ag II ~ It Is All About Water Kings County Water District 200 N. Campus Dr. Hanford, CA 93230

# Monday

7:15 am Teachers meet at water district office

8 am Arrive Kaweah Delta Water Conservation District off cer

California water law - Don Mills

History & Tour of Terminus Dam - Mark Larson

Lunch

1:30 pm Depart for Kings Co. Water District

2 pm Flows and Mechanics - Don Mills

3 pm Environmental Water discussion – Jim Verbocn

# Tuesday

7:00 am Don Mills Meet at and depart from Kings Co. Water District office -

Tour of Water Bank

Tour of Lakeside Head gates

Tour of Lakeside's Cartwright area

11:00 am Distribution & Efficiencies – Chris Linneman, Summers Engineering

noon

Lunch Local water safety and conservation programs -

Kelly

1:00 pm Wrap up - Don & Kelly

2 pm Evaluations